English version

◈ Please read this manual thoroughly before installation.

◈ Please visit the GS1000 web page at Zalman's website to view the GS1000 installation video.

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1 Cautionary Notes

(1) Check the condition of the product and its components before installation. If there is a problem with the product and/or its components, please contact the retailer for replacement.

(2) Refrain from inserting objects into the system while it is powered ON to avoid harm to the user and/or product.

(3) Check the manual when connecting cables to prevent short circuiting and risk of fire.

(4) Do not block any of the air vents.

(5) Keep unit away from heat sources such as direct sunlight, as well as water, oil, and humidity. Place the unit on a level and stable area that is well-ventilated.

(6) Do not clean any surface with chemical cleaners or solvents.
(chemicals including but not limited to: industrial brightener, wax, benzene, alcohol, paint thinner, mosquito repellent, aromatics, lubricant, detergent etc.)

(7) If this unit needs to be transported long distances, please ensure that all Hot Swap HDD's are securely fastened before transport. Also, please place the GS1000 in its original packaging for transport.

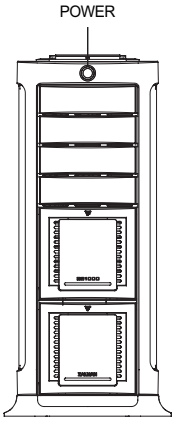
◈ **Disclaimer**
Zalman Tech Co., Ltd. is not responsible for any damages due to external causes, including but not limited to improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, or improper testing.

2 Specifications

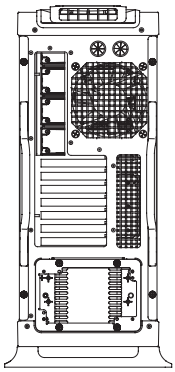
Enclosure Type		Full Tower
Enclosure Dimensions (D x W x H)		585 mm X 220 mm X 520 mm (18.9″ x 8.7″ x 17.7″)
Weight		12kg (26.4lb)
Materials		Aluminum/ Plastic (ABS)/ steel (GI)
Motherboard Compatibility		E-ATX / Standard ATX / microATX
PSU Compatibility		Standard ATX / ATX12V
PCI/AGP Card Compatibility		Full Size
Drive Bays (Tool Free Bay Kit provided)	**5.25″ Bays**	5.25″ External Bay x 4 *2 Adaptors & Bezels included for use of two 5.25″ bays as 3.5″ Internal(HDD)/External(FDD) Bays
	3.5″ Bays	3.5″ Internal Bay x 6 - Hot Swap Bay x 3(standard) - Regular/Hot Swap Bay x 3(optional)
Cooling Components (Fans)		Top Vent : 120mm Fan Vent x 2 (1 Fan included, 1 optional) Rear Vent : 120mm Fan Vent x 1 (1 Fan included) Bottom Vent : 120mm Fan Vent x 2 (Fans optional)
Expansion Card Slots (Tool Free Bolts provided)		7 Slots
Front I/O Ports		USB Port x 2 IEEE1394(FireWire) Port x 1 Headphones x 1 Mic x 1

3 Components

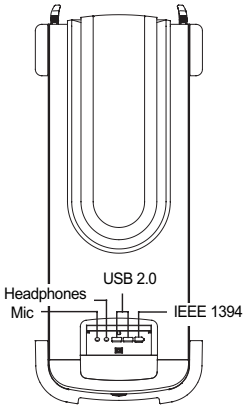
(1) GS1000



Front View



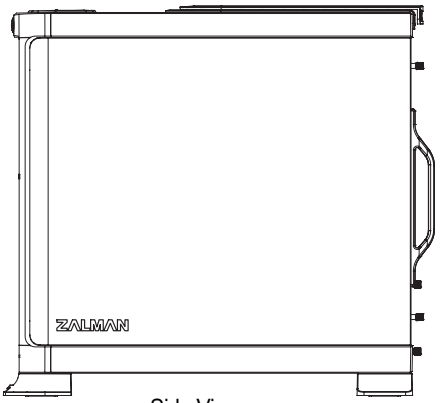
Back View



Top View

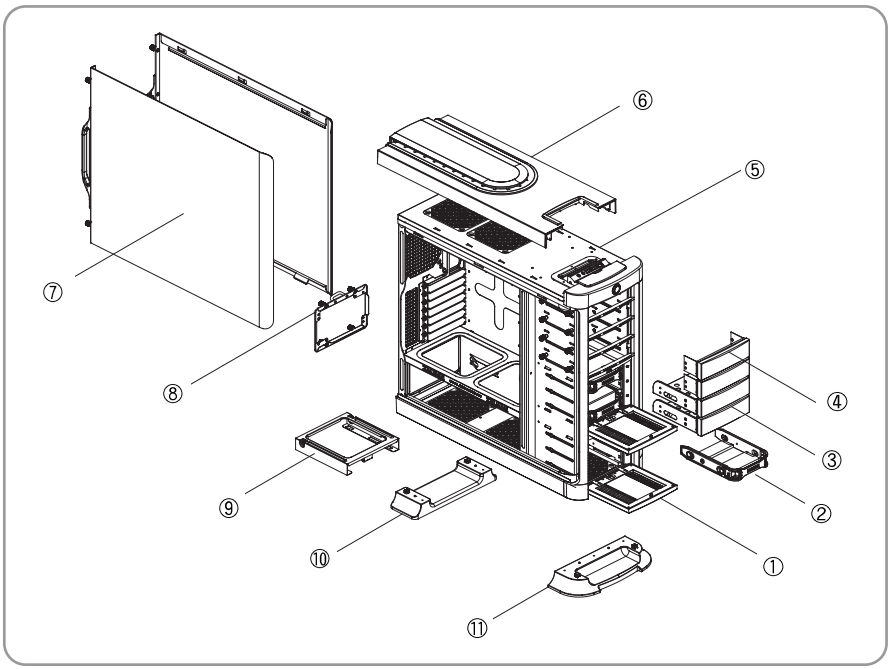
Icon Description

Tools required for assembly



Side View

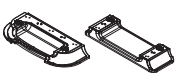
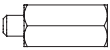
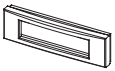
(2) GS1000 Diagram and Parts Table



Item	Part Name	Qty
1	HDD Cover	2
2	HDD Tray	6
3	2 In 1 Bracket	2
4	5.25″ Bay Cover	2
5	Chassis	1
6	Top Cover	1

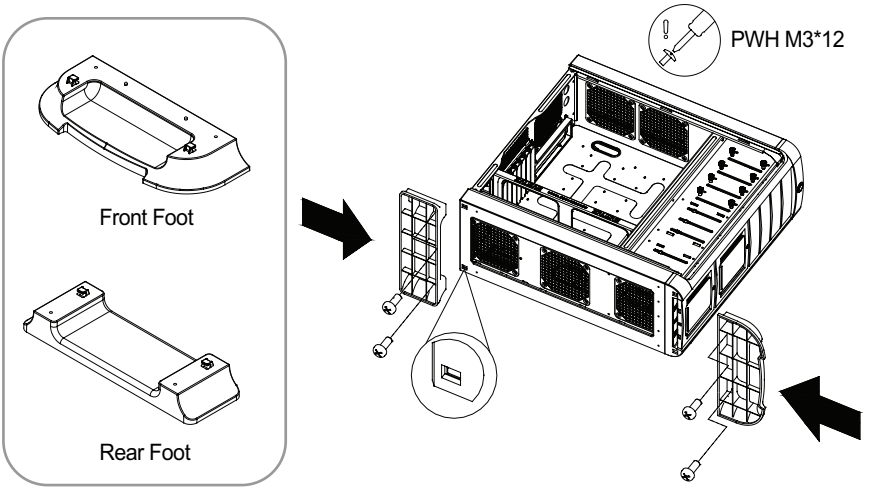
Item	Part Name	Qty
7	Aluminum Door	2
8	PSU Bracket	1
9	PSU Fan Bracket	1
10	Rear Foot	1
11	Front Foot	1

(3) Included GS1000 Parts

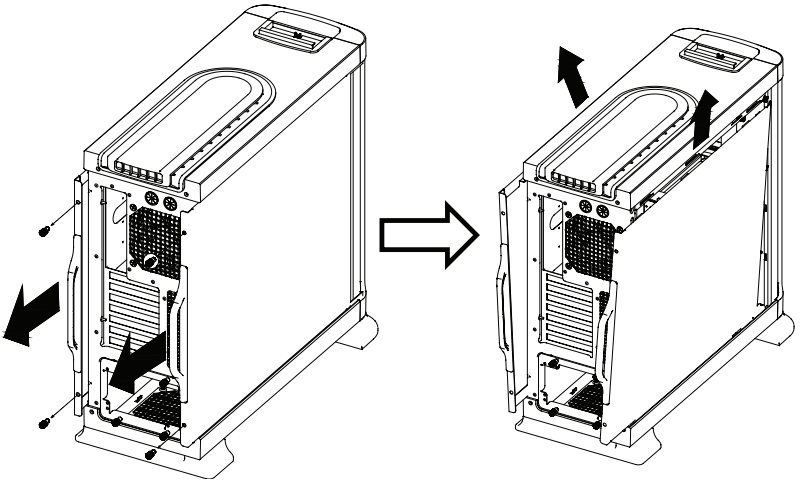
Diagram	Part	Specification	Qty	Description
	Foot (FRONT/REAR)	ABS+Spray (matches case color)	1	Enclosure Support
	CPU 12V Extension Cable	For Power Cable (8PIN)	1	M/B Power Extension Cables
	M/B Stand Off	PH #6-32*6 (Silver)	20	Use with microATX M/Bs
	HDD Screws	PHM #6-32*12 (Black)	12	HDD fixing bolt
	PSU Screws	PHM #6-32*6 (Silver)	24	PSU Screws M/B Screw
	ODD, M/B Screws	PWH M3*6 (Black)	8	ODD Screws
	Foot Fixing Screws	PWH M3*12 (Black)	4	Foot Screws
	FDD Cover	ABS	1	For FDD Installation
	Cable Tie	ABS	10	I/O Cable Routing

4 Installation Guide

(1) Installation of the Front & Rear Feet

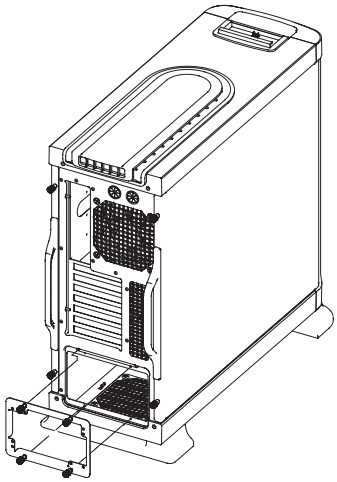


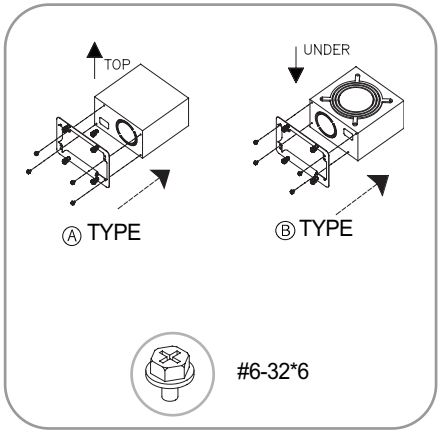
(2) Removal of the Side Panels



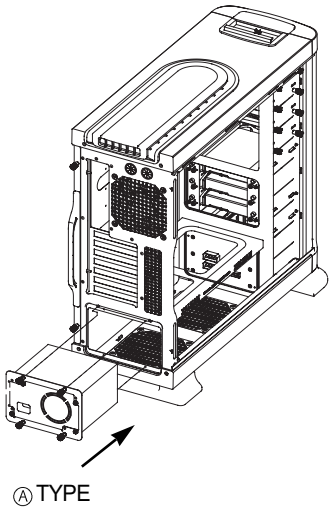
(3) Installation of the Power Supply

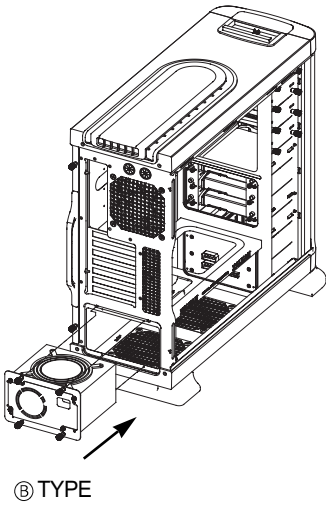
1) PSU Bracket Removal





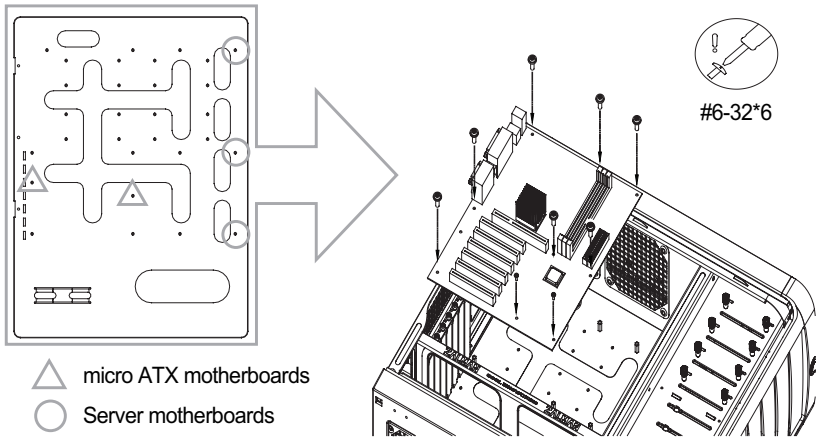
2) PSU Bracket Installation



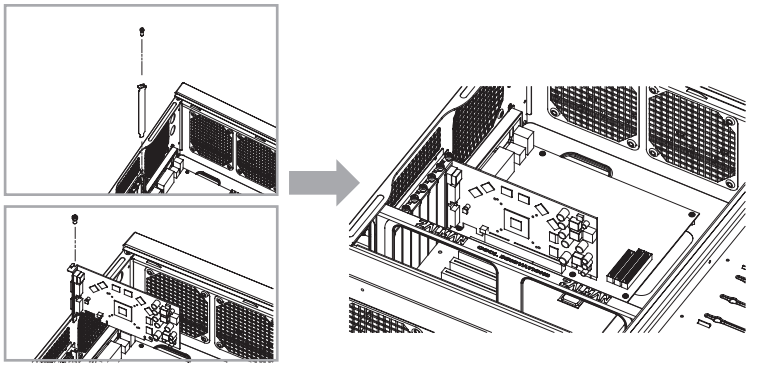


(4) Installation of the M/B and Add-On Card(s)

1) M/B Installation

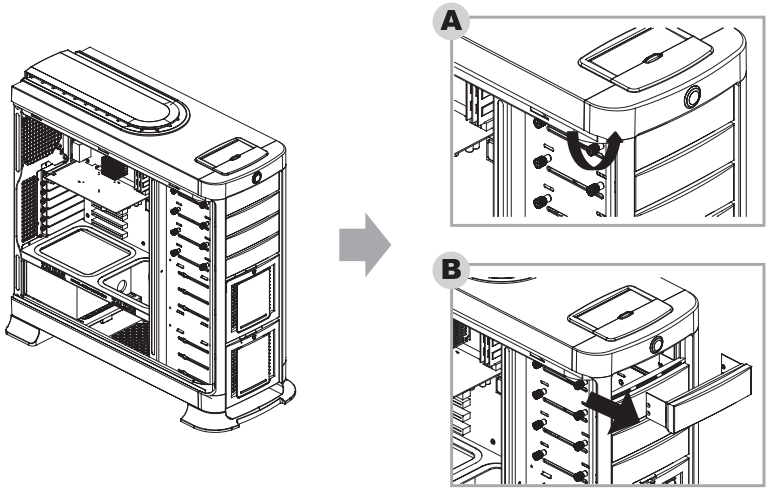


2) Graphic Card Installation

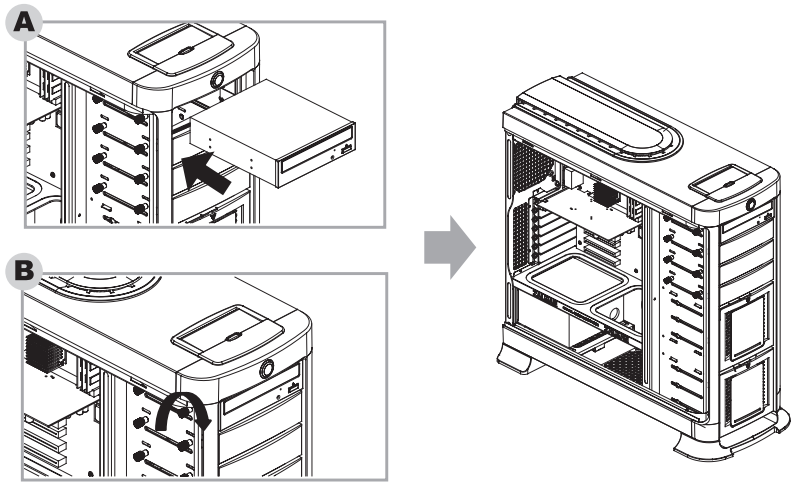


(5) 5.25″ and 3.5″ Drives

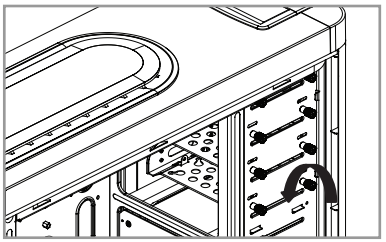
1) 5.25″ Drive Panel Removal

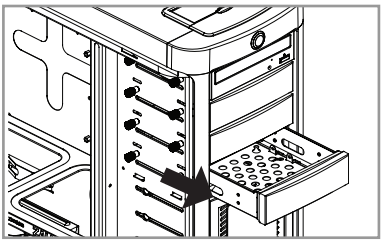


2) 5.25″ ODD Drive Installation

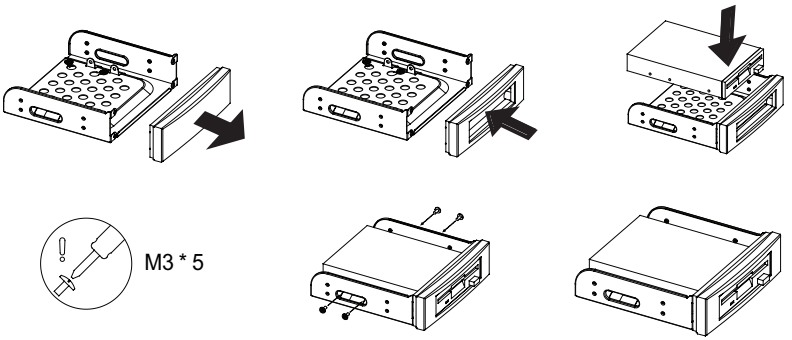


3) 5.25″ Bay FDD / HDD installation

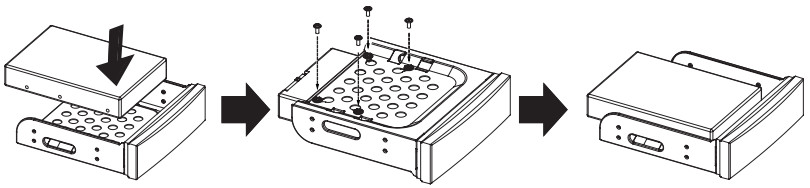




1 FDD Installation

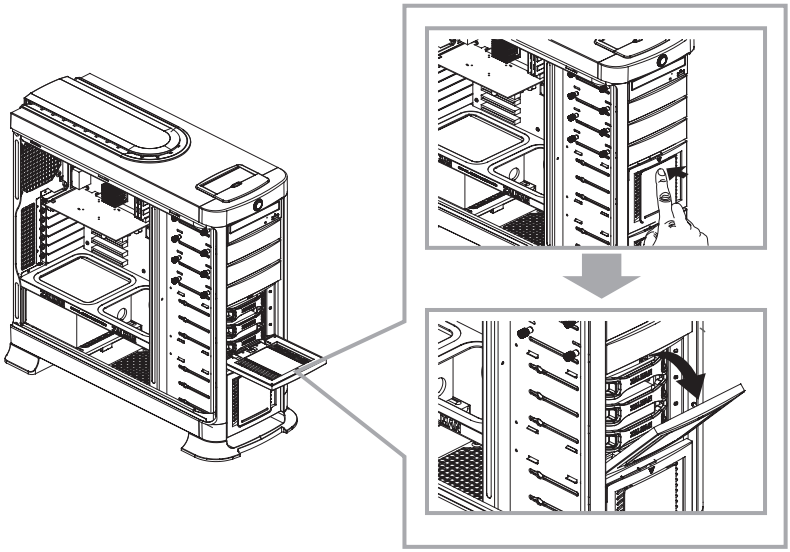


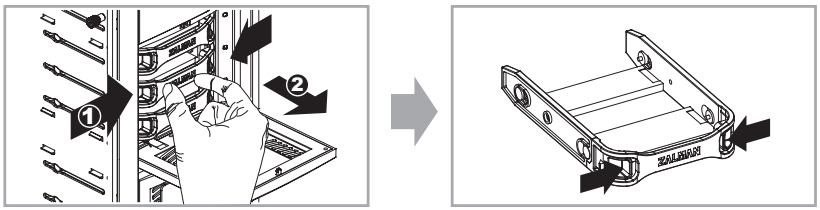
2 HDD Installation



(6) HDD Installation

1) 3.5″ HDD Tray Removal

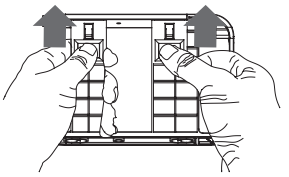




1. Press both corners towards the center.
2. Pull the handle with another finger or hand.

2) 3.5″ HDD Installation

1



Push the hooks as shown in the diagram

2

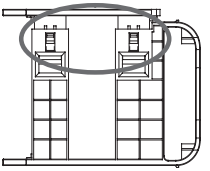
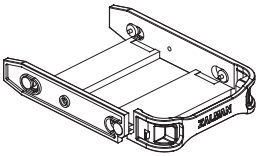
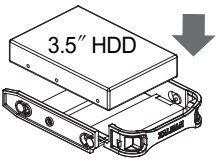


Diagram of released hooks.

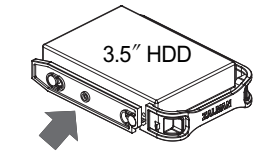
3



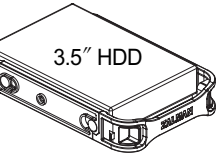
4



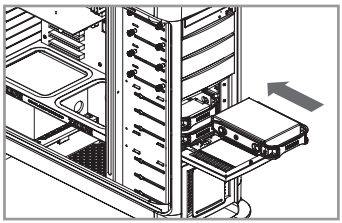
5

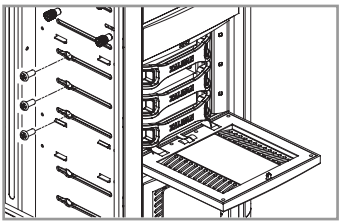


6



3) HDD Installation

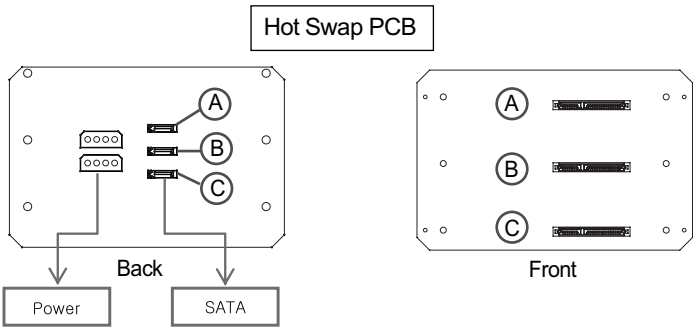




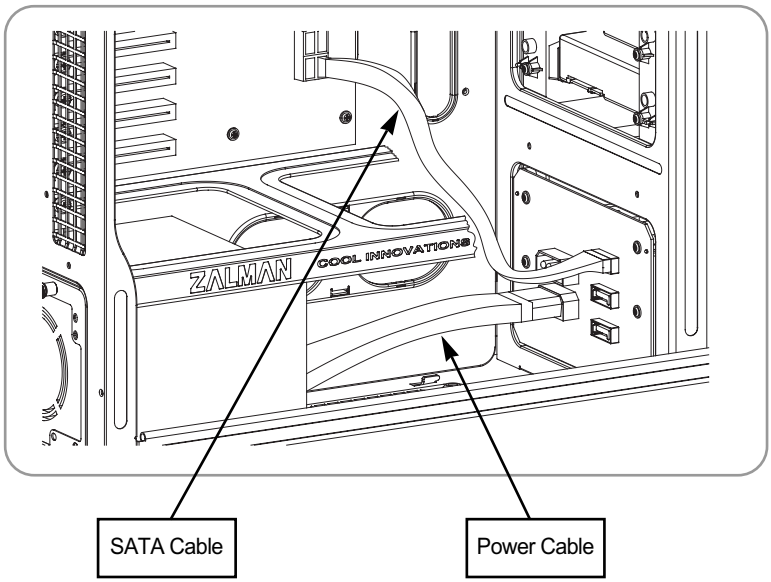
Note) To transport a fullly assembled system, use a bolt to fixate the HDD lock as shown in figure.

※ Please make sure that the HDD assembly is not upside-down and install as shown in the diagram to insure normal operation (The HDD LED lights up under normal operation).

(7) Hot Swap Installation



1) Hot Swap Cables



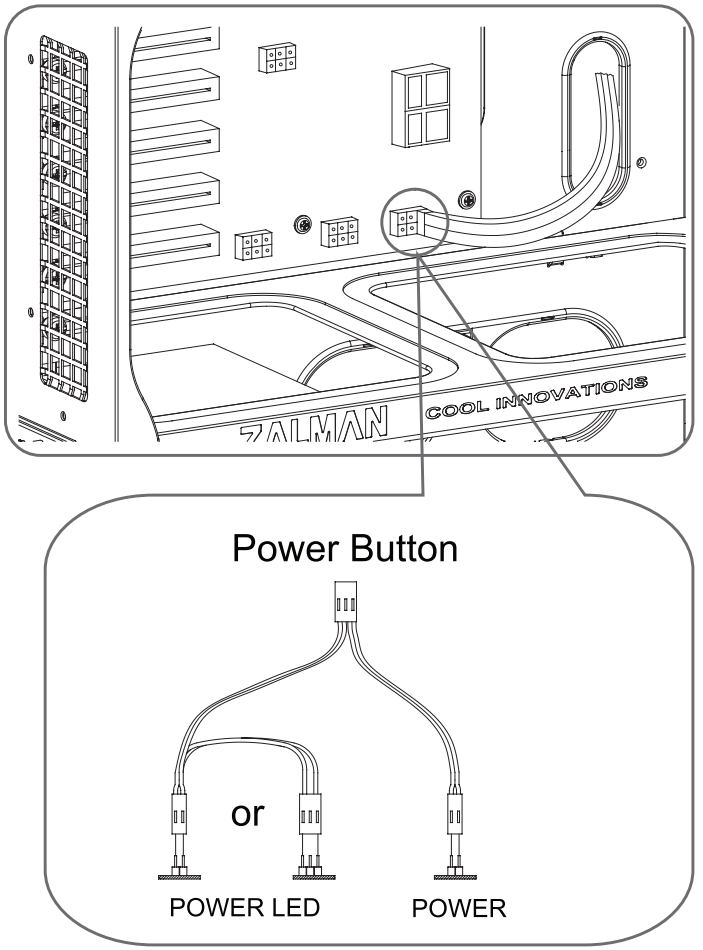
To use the Hot Swap HDD features, SATA and Power Cables must be connected to the Hot Swap PCB.

Note) For safe installation and removal of HDD's, please turn the computer OFF before proceeding.

※ SATA cables not provided with the GS1000. Please purchases or use that of another source.

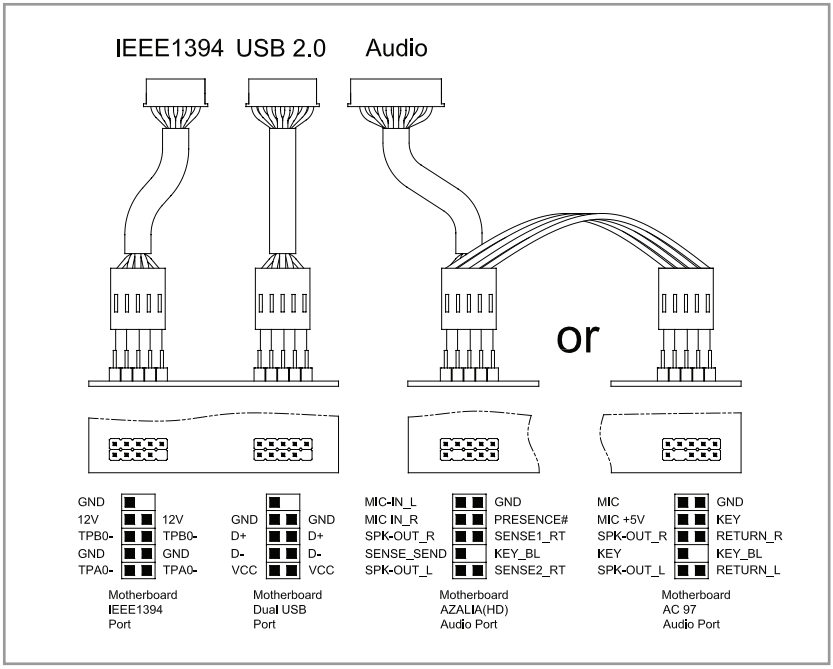
(8) Power Button / LED and Front I/O Cables

1) Power Cable



※ If the Power LED Connector is installed in reverse the power LED will not operate properly. Please refer to the motherboard's manual before connecting the Power LED.

2) Front I/O Cables



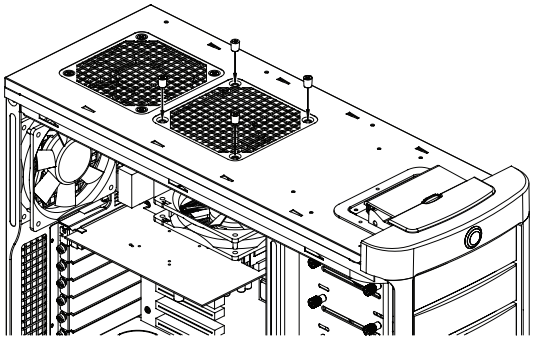
Note)

※ Precautions for Cable Connections

- ▶ Please refer to the motherboard's manual when connecting the USB 2.0, IEEE1394a and audio connectors.
- ▶ Do not connect the USB2.0 connector to the IEEE1394a connector, or vice versa. This may cause serious damage to the product.
- ▶ The diagram above is a simplified representation and certain motherboards may have different configurations for the IEEE1394a, USB2.0, and audio connectors. Please refer to the motherboard's manual.

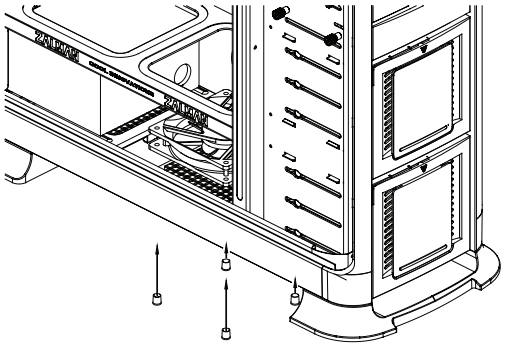
5 Zalman's Recommendations

(1) Use of an optional 120mm fan on the top panel of the case will improve cooling performance.

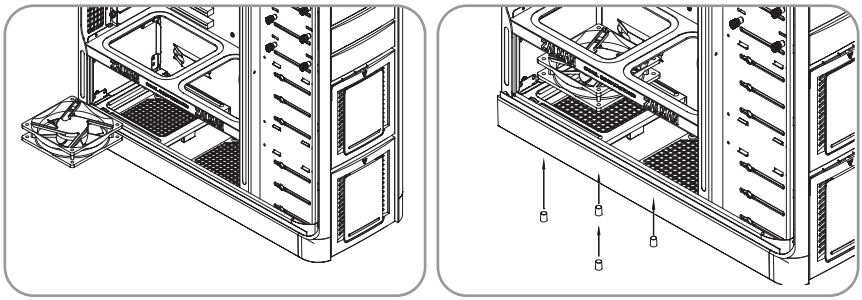


(2) Use of an optional 120mm fan on the bottom panel of the case will improve cooling peformance as well.

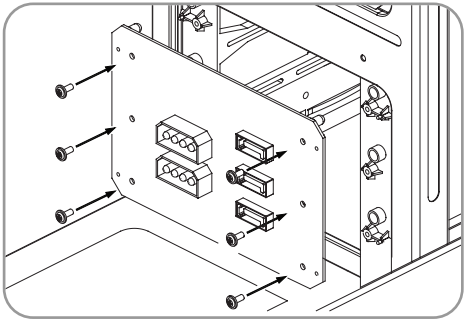
1) Installing 1 Fan



2) Installing a 2nd Fan



(3) Adding a 2nd Hot Swap PCB (optional)



(4) Zalman Recommended Products for GS1000

CNPS9700
CPU Cooler

GV1000
VGA Cooler

ZM-F3 LED
LED Fans

ZM850-HP
PSU

ZM-NBF47
Northbridge
Cooler